4-(4-hydroxybenzoyl)thiophene-2-sulfonamide

Inchi: InChI=1S/C11H9NO4S2/c12-18(15,16)10-5-8(6-17-10)11(14)7-1-3-9(13)4-2-7/h1-6,13H,
InchiKey: OJXOXNIZNJIMLU-UHFFFAOYSA-N
Formula: C11H9NO4S2
SMILES: NS(=O)(=O)c1cc(C(=O)c2ccc(O)cc2)cs1
Mol. weight [g/mol]: 283.33

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.86		Aqueous Solubility Prediction Method
logp	1.332		Crippen Method
mcvol	184.490	ml/mol	McGowan Method
tf	465.65	K	Aqueous Solubility Prediction Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tf: Normal melting (fusion) point

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.